

ABSTRACT

The present invention relates to diesel fuel compositions that are extremely stable against thermal degradation, sedimentation, and discoloration. The diesel fuel compositions of the present invention are void or essentially void of certain heteroatomic compounds often present in diesel fuel and which have been discovered to cause the thermal degradation in the presence of nitrate-based cetane improver additives. The specific deleterious heteroatomic compounds include pyrroles, indoles, sulfides, disulfides, mercaptans, thioacids, sulfonic acids, and indolines.

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